

SERVLETS - PAGE REDIRECTION

<http://www.tutorialspoint.com/servlets/servlets-page-redirect.htm>

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Page redirection is generally used when a document moves to a new location and we need to send the client to this new location or may be because of load balancing, or for simple randomization.

The simplest way of redirecting a request to another page is using method **sendRedirect()** of response object. Following is the signature of this method:

```
public void HttpServletResponse.sendRedirect(String location)
throws IOException
```

This method sends back the response to the browser along with the status code and new page location. You can also use setStatus() and setHeader() methods together to achieve the same:

```
....
String site = "http://www.newpage.com" ;
response.setStatus(response.SC_MOVED_TEMPORARILY);
response.setHeader("Location", site);
....
```

Example:

This example shows how a servlet performs page redirection to an another location:

```
import java.io.*;
import java.sql.Date;
import java.util.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class PageRedirect extends HttpServlet{

    public void doGet(HttpServletRequest request,
                      HttpServletResponse response)
        throws ServletException, IOException
    {
        // Set response content type
        response.setContentType("text/html");

        // New location to be redirected
        String site = new String("http://www.photofuntoos.com");

        response.setStatus(response.SC_MOVED_TEMPORARILY);
        response.setHeader("Location", site);
    }
}
```

Now let us compile above servlet and create following entries in web.xml

```
....
<servlet>
    <servlet-name>PageRedirect</servlet-name>
    <servlet-class>PageRedirect</servlet-class>
</servlet>

<servlet-mapping>
    <servlet-name>PageRedirect</servlet-name>
    <url-pattern>/PageRedirect</url-pattern>
</servlet-mapping>
....
```

Now call this servlet using URL <http://localhost:8080/PageRedirect>. This would take you given URL <http://www.photofuntoos.com>.